

SF2M-DGM Texture and Anisotropy Symposium

Ghent University, Belgium, Friday 1st April 2011

Organized by Professor L. Kestens

L'année 2011 a été marquée par la réunion conjointe des Commissions « Texture et Anisotropie » des sociétés allemande de la DGM, belge et française de la SF2M.

La journée Texture & Anisotropie organisée par le Professeur Leo Kestens s'est déroulée à l'Université de Gand (Belgique) le 1^{er} avril 2011 et a réuni une cinquantaine de participants.

Les thématiques retenues étaient :

- **Recent advances in quantitative texture measuring and analysis tools including 3D observation techniques.**
- **Anisotropy of mechanical and functional properties of advanced materials.**
- **8:40-9:05 Applications of Automatic Crystallographic Indexation in the TEM: thin films and deformed microstructures**
S. Godet / ULB
- **9:05-9:30 Microstructure and texture characterization by 3D-EBSD in different length scales**
R. Petrov / UGent
- **9:30-9:55 Texture and strain measurement using the RX160 robot at Stress-Spec**
H.- G. Brokmeier/ TU Clausthal
- **9:55-10:20 Coffee break**
- **10:20-10:45 Crystallographic texture an unified macro-scale approach for its influence and evolution**
J. Kalisch / Otto-von-Guericke Universität
- **10:45-11:10 Features of the free and open source toolbox MTEX for texture analysis**
H. Schaeben / TU Freiberg
- **11:10-11:35 Equal channel angular pressing of NiAl**
W. Skrotzki / TU Dresden
- **11:35-12:00 Texture development in Ni-5at.%W for coated conductor applications**
M. Witte / RWTH Aachen
- **12:00-13:00 Lunch + Posters**
- **13:30-13:55 First evaluation of Alamel predictions of texture-induced plastic anisotropy**
P. Van Houtte / KU Leuven

- 13:55-14:20 **The origin of retained shear texture when shear deformation is inverted**

L. Toth / LE3M Université de Metz

- 14:20-14:45 **On misorientation parameters as tools to characterize the metallurgical state of IF steels**

A. Ayad / LE3M Université de Metz

- 14:45-15:10 **Texture inhomogeneity investigation of a Cu tube using Stress-Spec robot system**

W.M. Gan / Helmholtz-Centre Geesthacht, De

15: 10-15:35 **Coffee break**

15:35-16:00 **Effects of composition and cooling temperature on precipitation and texture formation in IF-high strength steels**

R. Ray / Indian Institute of Technology- Kanpur Inde

- 16:00-16:25 **Identification of twin relationship between Ni-Mn-Ga martensite variants**

Y. D. Zhang and C. Esling / LE3M Université Metz

- 16:25-16:50 **EBSD for new insight into texture of grain oriented electrical steels**

N. Bernier / Arcelor Mittal

16:50-17:05 **Closing**

-

17:05-17:35 **Lab Visit**